L Number	Hits	Search Text	DB	Time stamp
1	2215	(copper or Cu) and damascene and (low adj k)	USPAT;	2004/09/14 13:26
			US-PGPUB;	
	İ		EPO;	
			DERWENT;	
			IBM TDB	
2	49	((copper or Cu) and damascene and (low adj k)) and	USPAT;	2004/09/14 13:27
-		((dry adj clean\$5) or DCM)	US-PGPUB;	200 40 // 11 13.27
		((dry adj clean\$) of BCM)	EPO;	
			DERWENT;	
			IBM TDB	
3	15	(((copper or Cu) and damascene and (low adj k)) and		2004/09/14 11:48
3	15		USPAT;	2004/09/14 11:48
Ì		((dry adj clean\$5) or DCM)) and (wet adj clean\$5)	US-PGPUB;	
			EPO;	
			DERWENT;	
	, , ,		IBM_TDB	
4	154	((copper or Cu) and damascene and (low adj k)) and	USPAT;	2004/09/14 13:27
		(wet adj clean\$5)	US-PGPUB;	
			EPO;	
			DERWENT;	·
		-	IBM_TDB	
5	4	((((copper or Cu) and damascene and (low adj k)) and	USPAT;	2004/09/14 13:27
		((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) and	US-PGPUB;	
		(ICP or (inductively adj coupled adj plasma))	EPO;	
		, , , , , , , , , , , , , , , , , , ,	DERWENT;	
			IBM TDB	
6	0	20030057179.URPN.	USPAT	2004/09/14 12:46
7	o l	6500357.URPN.	USPAT	2004/09/14 12:47
8	Ö	6500357.URPN.	USPAT	2004/09/14 12:47
9	14	("4842683"   "5534108"   "5578163"   "5665203"	USPAT	2004/09/14 12:47
		"5674321"   "5785875"   "5811357"   "5902704"	OSIAI	2004/07/14 12.47
		"5970373"   "6069091"   "6211092"   "6254689"		
ĺ		"6296988"   "6380096").PN.		
10	22	5811357.URPN.	USPAT	2004/09/14 12:54
11	0	6500357.URPN.	USPAT	
12	$\begin{bmatrix} 0 \\ 2 \end{bmatrix}$	6457477.URPN.		2004/09/14 12:59
13	4		USPAT	2004/09/14 13:21
	_	("5946589"   "6006763"   "6006764"   "6313042").PN.	USPAT	2004/09/14 13:22
14	4	6313042.URPN.	USPAT	2004/09/14 13:23
15	2483	damascene and (low adj k)	USPAT;	2004/09/14 13:27
			US-PGPUB;	
			EPO;	
			DERWENT;	
	_		IBM_TDB	
16	50	( damascene and (low adj k)) and ((dry adj clean\$5) or	USPAT;	2004/09/14 13:27
		DCM)	US-PGPUB;	
			EPO;	
	,		DERWENT;	
			IBM_TDB	
17	16	(( damascene and (low adj k)) and ((dry adj clean\$5) or	USPĀT;	2004/09/14 13:27
		DCM)) and (wet adj clean\$5)	US-PGPUB;	
	, ]	, , , , , , , , , , , , , , , , , , , ,	EPO;	
	İ		DERWENT;	
	į		IBM TDB	
18	4	((( damascene and (low adj k)) and ((dry adj clean\$5) or	USPAT;	2004/09/14 15:00
	^	DCM)) and (wet adj clean\$5)) and (ICP or (inductively	US-PGPUB;	200407111100
		adj coupled adj plasma))	EPO;	
		, and complete and planting)	DERWENT;	
1				
<u>_</u> <u>l</u>			IBM_TDB	

	1500	100/07	T YOR AST	0004/00/14 14 00
19	1598	438/627	USPAT;	2004/09/14 16:03
			US-PGPUB;	
	j		EPO;	
Ì			DERWENT;	
			IBM_TDB	
20	41	438/627 and (ICP or (inductively adj coupled adj	USPAT;	2004/09/14 16:03
		plasma))	US-PGPUB;	
1			EPO;	
			DERWENT;	
			IBM TDB	
21	40	(438/627 and (ICP or (inductively adj coupled adj	USPĀT;	2004/09/14 16:04
		plasma))) not ((((copper or Cu) and damascene and (low	US-PGPUB;	
		adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj	EPO;	
		clean\$5)) not (("4842683"   "5534108"   "5578163"	DERWENT;	
		"5665203"   "5674321"   "5785875"   "5811357"	IBM_TDB	
		"5902704"   "5970373"   "6069091"   "6211092"		
		"6254689"   "6296988"   "6380096").PN.) not		
		5811357.URPN. not 6457477.URPN. not (("5946589"		
		"6006763"   "6006764"   "6313042").PN.) not		
	1	6313042.URPN.		
22	0	6596625.URPN.	USPAT	2004/09/14 15:31
23	15	("5266521"   "5661083"   "5817579"   "5843843"	USPAT	2004/09/14 15:31
23	15	"5851917"   "6013574"   "6025255"   "6057081"	OSIAI	2004/07/14 15.51
		"6077768"   "6147003"   "6147007"   "6180531"		
		"6187689"   "6194128"   "6323121").PN.		
24	30	6323121.URPN.	LICDAT	2004/00/14 15 22
25		438/618	USPAT	2004/09/14 15:32
23	2153	438/018	USPAT;	2004/09/14 16:12
			US-PGPUB;	
			EPO;	
			DERWENT;	
0.6		400/610 1/I/CD // 1 // 1 // 1	IBM_TDB	000.4004
26	47	438/618 and (ICP or (inductively adj coupled adj	USPAT;	2004/09/14 16:13
1		plasma))	US-PGPUB;	
			EPO;	
ì			DERWENT;	
			IBM_TDB	
27	39	(438/618 and (ICP or (inductively adj coupled adj	USPAT;	2004/09/14 16:13
		plasma))) not 6323121.URPN. not (("5266521"	US-PGPUB;	
		"5661083"   "5817579"   "5843843"   "5851917"	EPO;	
	1	"6013574"   "6025255"   "6057081"   "6077768"	DERWENT;	
		"6147003"   "6147007"   "6180531"   "6187689"	IBM_TDB	
		"6194128"   "6323121").PN.) not (438/627 and (ICP or		
		(inductively adj coupled adj plasma))) not ((((copper or		
		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
	•	"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		
	]	6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
29	570	438/620	USPAT;	2004/09/14 16:17
			US-PGPUB;	
			EPO;	
			DERWENT;	
			IBM TDB	
	<u> </u>		10111_100	

30	12	438/620 and (ICP or (inductively adj coupled adj	USPAT;	2004/09/14 16:17
		plasma))	US-PGPUB;	
			EPO;	
			DERWENT;	
21		(420/(20 and (ICD and (industrial and insulad add	IBM_TDB	2004/00/14 16 10
31	8	(438/620 and (ICP or (inductively adj coupled adj	USPAT;	2004/09/14 16:18
		plasma))) not (438/618 and (ICP or (inductively adj	US-PGPUB;	
		coupled adj plasma))) not 6323121.URPN. not	EPO;	
		(("5266521"   "5661083"   "5817579"   "5843843"     "5851917"   "6013574"   "6025255"   "6057081"	DERWENT; IBM TDB	
		"6077768"   "6147003"   "6147007"   "6180531"	IBM_IDB	
		"6187689"   "6194128"   "6323121").PN.) not (438/627		
		and (ICP or (inductively adj coupled adj plasma))) not		
		((((copper or Cu) and damascene and (low adj k)) and		
		((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
32	2988	438/622	USPAT;	2004/09/14 16:38
			US-PGPUB;	
			EPO;	
			DERWENT;	
0.0		400400 14700 4 1 1 1 1 1 1 1	IBM_TDB	
33	69	438/622 and (ICP or (inductively adj coupled adj	USPAT;	2004/09/14 16:38
		plasma))	US-PGPUB;	
			EPO;	
			DERWENT;	
34	42	(438/622 and (ICP or (inductively adj coupled adj	IBM_TDB USPAT;	2004/09/14 16:39
J-1	72	plasma))) not (438/620 and (ICP or (inductively adj	US-PGPUB;	2004/09/14 10:39
		coupled adj plasma))) not (438/618 and (ICP or	EPO;	
		(inductively adj coupled adj plasma))) not	DERWENT;	
		6323121.URPN. not (("5266521"   "5661083"	IBM_TDB	
		"5817579"   "5843843"   "5851917"   "6013574"	15155	
	ì	"6025255"   "6057081"   "6077768"   "6147003"		
		"6147007"   "6180531"   "6187689"   "6194128"		
		"6323121").PN.) not (438/627 and (ICP or (inductively		
		adj coupled adj plasma))) not ((((copper or Cu) and		
	]	damascene and (low adj k)) and ((dry adj clean\$5) or		
		DCM)) and (wet adj clean\$5)) not (("4842683"		
		"5534108"   "5578163"   "5665203"   "5674321"		
		"5785875"   "5811357"   "5902704"   "5970373"		
		"6069091"   "6211092"   "6254689"   "6296988"		
		"6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		

plasma))) not (438/620 and (ICP or (inductively adjoupled adj plasma))) not (338/18 and ICP or (inductively adjoupled adj plasma))) not (332121_URPN, not (17526521"   175610333"   175610333"   175610333"   175610333"   175610333"   175610333"   175610333"   175610333"				T	
coupled adj plasmaj)) not (438/618 and (ICP or (inductively adj coupled adj plasmaj)) not (323121.URPN. not ((7326521"   7561033"   756103"   756103"   756179"   75848343"   7581917"   76013574"   76025255"   76057081"   76077768"   76194128"   7619212"). PN.) not (438/627 and (ICP or (inductively adj coupled adj plasmaj)) not (((19942688")   7534108"   7578163"   7567808"   757821"   75785875"   75811357"   75002704"   75902703"   75785875"   75811357"   75002704"   75902703"   75000769"   76211092"   76254698"   7630096", PN.) not 5811357.URPN. not 6457477.URPN. not (75946589"   76006763"   760006764"   76313042").PN.) not 6313042.URPN.) and damascene (75946589"   76006763"   7595823"   759823"   75981374"   76187663").PN.	35	8		1	2004/09/14 16:38
(inductively adj coupled adj plasmaj)) not					
6323121.URPN. not (("5266521"   "566103"				1 '	
"S817579"   "S843843"   "S851917"   "6013574"				1	
"6025255"   "6057081"   "6077768"   76147003"				IBW_LDB	
"6147007"   "6187689"   "6194128"		1	, , , , , , , , , , , , , , , , , , , ,		
"6323121", PN.) not (438/627 and ICP or (inductively adj coupled adj plasma)) not ((((icopper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5) not (("4842683"   "5554108"   "5578163"   "55693"   "5679323"   "5785875"   "5811337"   "5902704"   "5970373"   "6069091"   "6211092"   *6254689"   "6209698"   "6380096"), PN.) not \$811357.URPN. not 6457477.URPN. not ("59454589"   "6006764"   "6313042.URPN.) and damascene ("57945889"   "6006764"   "6313042.URPN.) and damascene ("57945889"   "5705430"   "5795823"   "9981374"   "6187663"), PN.    36					i
adj coupled adj plasma)) not (((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCA()) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5674321"   "5788575"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "63809967).PN not \$6313042".PN.) not \$6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042".PN.) not \$6313042.URPN.) and damascene   369957.URPN.					
damascene and (low adj ky) and ((dry adj cleanS5) or DCM)) and (wet adj cleanS5) nor ("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "581357"   "581357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096") PN.) not 5811357. URPN. not 6457477.URPN. not ("5946589"   "6096763"   "6006764"   "6313042").PN.) not 6313042.URPN.) and damascene					
DCM)) and (wet adj clean\$5)) not ((*4842683"   "5785875"   "58108"   "557863"   "566203"   "567821"   "5785875"   "5811357"   "5902704"   "5970373"   "60609091"   "6211092"   "62364689"   "6296988"   "63809967.NP.N. not (\$811357.NP.N. not 6457477.URPN. not (\$811357.NP.N. not 6457477.URPN. not (\$946589"   "62060763"   "6006764"   "6313042").PN.) not 6313042.URPN.) and damascene (\$369957.URPN. not (\$946589"   "6306743"   USPAT (USPAT 2004/09/14 16:20 2004/09/14 16:20 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 16:21 2004/09/14 17:21 2004/09/14					
"5534108"   "5578163"   "56643203"   "5674321"     "5788757"   "8181557"   "9502704"   "5970373"     "6069091"   "6211092"   "6254689"   "6296988"     "63800967,PN, not (\$811357,URPN, not 6396988"     "63800967,PN, not (\$811357,URPN, not 6381042,URPN,) and damascene     "6006764"   "6313042"),PN, not 6313042,URPN, and damascene     "5795823"   "5981374"   "6187663"),PN.					
"5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").P.N.) not 5811357.URPN. not 6457477.URPN. not ("5946589"   "6206763"   "6006764"   "6313042").P.N.) not 6313042.URPN.) and damascene 36					
"6069091", "\$211092", "\$224689", "\$296988", "\$380096"),PN.) not 5811357.URPN. not 6457477.URPN. not ("\$946589",   "\$6006763", "\$6006764",   "\$6313042"),PN.) not 6313042,URPN.) and damascene  36					
"6380096").PN.) not S811357.URPN. not ("5946589"   "6006763"   "0006764"   "6313042").PN.) not 6313042.URPN.) and damascene   3630957.URPN.   USPAT   2004/09/14 16:20   2004/09/14 16:21   "5795823"   "5981374"   "6187663").PN.   USPAT   2004/09/14 16:21   2004/09/14 16:21   2004/09/14 16:21   2004/09/14 16:21   2004/09/14 17:21   20					
6457477.URPN. not (("5946589"   "6006763"     "6006764"   "6313042").PN.) not 6313042.URPN.) and damascene			1		
"6006764"   "6313042").PN.) not 6313042.URPN.) and damascene					
36					
37					
1827   "5591234"   "5691238"   "57958230"   "5795823"   "5981374"   "6187663").PN.   USPAT   2004/09/14 16:21	36	5	6309957.URPN.	USPAT	2004/09/14 16:20
1827   "5795823"   "5981374"   "6187663").PN.   USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; IBM_TDB USPAT; US-PCPUB; EPC; DERWENT; ISFAT; US	37	7	("5512514"   "5691238"   "5693568"   "5705430"		
39 292 438/706 and damascene  40 36 (438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))  41 28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   "5903568"   "5705430"   "5795823"   "5981374"   "6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not ((438/618 and (ICP or (inductively adj coupled adj plasma))) not ((38/618 and (ICP or (inductively adj coupled adj plasma))) not (("5566521"   "5661083"   "5817579"   "5843843"   "585197"   "6013574"   "6027568"   "6147002"   "61876331"   "6187689"   "6147002"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((("copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5764321"   "5764321"   "5764321"   "5786857"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096",PN.) not 5811357.URPN. not 6457477.URPN. not (59946589"   "6006763"   "6006764"   "6313042",PN.) not 6313042.URPN.			"5795823"   "5981374"   "6187663").PN.		
39 292 438/706 and damascene  40 36 (438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))  41 28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IS (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not (338/3121. URPN, not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ("S265521"   "5661083"   "6057658"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6333121. URPN, not (438/627 and (ICP or (inductively adj coupled adj plasma))) not (((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5578163"   "5902704"   "590373"   "6069091"   "6211092"   "6254689"   "6096763"   "6380096").PN.) not 5811357. URPN, not 6457477. URPN, not ("5946589"   "6006763"   "6006763"   "6313042").PN.) not 6313042. URPN.	38	1827	438/706		2004/09/14 17:21
39 292 438/706 and damascene USPAT; USPGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; ISPASSAS*   "56187663",PN.) not 6309957.URPN. not 438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013768"   "6147003"   "6147003"   "61870831"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((("642683"   "5534108"   "5578163"   "5665203"   "5674321"   "5783875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 6313042.URPN.					
39 292 438/706 and damascene   IBM_TDB   USPAT;   US-PGPUB;   EPO;   DERWENT;   IBM_TDB   USPAT;   US-PGPUB;   US-P					
39					
40 36 (438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))  41 28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   "S-693568"   "5705430"   "5795823"   "5981374"   "S-693568"   "5705430"   "5795823"   "5981374"   "Glar620 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (("\$5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6187689"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((("dav2683"   "534108"   "5578163"   "566203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 581357.URPN. not 6457477.URPN. not (("5946589"   "6006764"   "6313042").PN.) not 6313042.URPN.	00				
40 36 (438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))  41 28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not ((*5512514"   "5691238"   US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; "5693568"   "5705430"   "5795823"   "5891374"   US-PGPUB; PO; DERWENT; IBM_TDB USPAT; US-PGPUB; "6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6613574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((("copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not ("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.	39	292	438/706 and damascene		2004/09/14 17:21
40 36 (438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))  41 28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB US-PGPUB; EPO; DERWENT; IBM_TDB US-					
40 36 (438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))  41 28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   "5693568"   "5705430"   "5795823"   "5981374"   "6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6187689"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5)) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("55123042").PN.) not 6313042.URPN.					
40 36 (438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))  28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   USPAT; US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; "5693568"   "5705430"   "5795823"   "5981374"   US-PGPUB; EPO; DERWENT; IBM_TDB USPAT; US-PGPUB; "6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not (("5266521"   "5661083"   "5817579"   "5817579"   "5843843"   "6187689"   "6194128"   "6323121".PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5783875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096",PN.) not 5811357.URPN. not 645747.URPN. not (("5946589"   "6006763"   "6006764"   "6313042".PN.) not 6313042.URPN.					
coupled adj plasma))  coupled adj plasma))  ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   USPAT; US-PGPUB; "5693568"   "5705430"   "5795823"   "5981374"   US-PGPUB; EPO; DERWENT; IBM_TDB (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (("5266521"   "5661083"   "5817579"   "5843843"   "607768"   "6013574"   "6025255"   "6057081"   "607768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "606991"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 645747.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.	40	36	(438/706 and damascene) and (ICP or (industrially adi	_	2004/00/14 17:21
41 28 ((438/706 and damascene) and (ICP or (inductively adj coupled adj plasma))) not (("5512514"   "5691238"   US.PGPUB; "5693568"   "5705430"   "5795823"   "5981374"   US.PGPUB; "6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.	10				2004/09/14 17:21
28			coupled adj plasmaj)	1	-
1				· ·	
41					
coupled adj plasma))) not (("5512514"   "5691238"   "5693568"   "5705430"   "5795823"   "5981374"   "6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not 6323121.URPN. not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5578163"   "5565203"   "5574321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.	41	28	((438/706 and damascene) and (ICP or (inductively adi		2004/09/14 17:22
"5693568"   "5705430"   "5795823"   "5981374"   "6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not 6323121.URPN. not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.				· ·	
"6187663").PN.) not 6309957.URPN. not (438/622 and (ICP or (inductively adj coupled adj plasma))) not (438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not 6323121.URPN. not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6187689"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.		1			
(438/620 and (ICP or (inductively adj coupled adj plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not 6323121.URPN. not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.				DERWENT;	
plasma))) not (438/618 and (ICP or (inductively adj coupled adj plasma))) not 6323121.URPN. not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.		1		IBM_TDB	
coupled adj plasma))) not 6323121.URPN. not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
(("5266521"   "5661083"   "5817579"   "5843843"   "5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
"5851917"   "6013574"   "6025255"   "6057081"   "6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
"6077768"   "6147003"   "6147007"   "6180531"   "6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
"6187689"   "6194128"   "6323121").PN.) not (438/627 and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.			"383191/"   "60133/4"   "6025255"   "6057081"   "6077769"   "6147099"   "6147997"   "6147997"		
and (ICP or (inductively adj coupled adj plasma))) not ((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"    "5674321"   "5785875"   "5811357"   "5902704"    "5970373"   "6069091"   "6211092"   "6254689"    "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"    "6006764"   "6313042").PN.) not 6313042.URPN.					
((((copper or Cu) and damascene and (low adj k)) and ((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
((dry adj clean\$5) or DCM)) and (wet adj clean\$5)) not (("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
(("4842683"   "5534108"   "5578163"   "5665203"   "5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
"5674321"   "5785875"   "5811357"   "5902704"   "5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
"5970373"   "6069091"   "6211092"   "6254689"   "6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
"6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.		]			
6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.					
"6006764"   "6313042").PN.) not 6313042.URPN.					
40					
	42	0		USPAT	2004/09/14 17:03

42		[ (#E0501 (5#   #E05 4 (01#   #5 (0500   #   #5007 (07#	110010	0004/00/14 17 00
43	9	("5250165"   "5354421"   "5635021"   "5997687"	USPAT	2004/09/14 17:03
		"6043164"   "6046114"   "6218084"   "6284149"     "6379574").PN.		
44	332	438/707	USPAT;	2004/09/14 17:22
	302	130,707	US-PGPUB;	200407/1117.22
			EPO;	
			DERWENT;	
			IBM TDB	
45	34	438/707 and damascene	USPĀT;	2004/09/14 17:22
į			US-PGPUB;	
			EPO;	
			DERWENT;	
4.0	_	/400/707 11 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	IBM_TDB	
46	5	(438/707 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:22
		coupled adj plasma))	US-PGPUB;	
			EPO; DERWENT;	
			IBM_TDB	
47	1	((438/707 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:22
	[	coupled adj plasma))) not (("5250165"   "5354421"	US-PGPUB;	2004071711.22
		"5635021"   "5997687"   "6043164"   "6046114"	EPO;	
		"6218084"   "6284149"   "6379574").PN.) not ((438/706	DERWENT;	
		and damascene) and (ICP or (inductively adj coupled adj	IBM_TDB	
		plasma))) not (("5512514"   "5691238"   "5693568"	_	•
		"5705430"   "5795823"   "5981374"   "6187663").PN.)		
		not 6309957.URPN. not (438/622 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/620 and		
		(ICP or (inductively adj coupled adj plasma))) not		
	]	(438/618 and (ICP or (inductively adj coupled adj		
		plasma))) not 6323121.URPN. not (("5266521"   "5661083"   "5817579"   "5843843"   "5851917"		
		"6013574"   "6025255"   "6057081"   "6077768"		
		"6147003"   "6147007"   "6180531"   "6187689"		:
		"6194128"   "6323121").PN.) not (438/627 and (ICP or		
		(inductively adj coupled adj plasma))) not ((((copper or		
		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"   "6006764"   "6313042").PN.) not 6313042.URPN.		
48	261	438/709	USPAT;	2004/09/14 17:23
10	201	130,707	US-PGPUB;	400 <del>1</del> /07/14 17:23
			EPO;	
			DERWENT;	
			IBM TDB	
49	37	438/709 and damascene	USPAT;	2004/09/14 17:23
			US-PGPUB;	
			EPO;	
			DERWENT;	
50	_	/400/700	IBM_TDB	
50	7	(438/709 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:23
		coupled adj plasma))	US-PGPUB;	
			EPO;	
			DERWENT;	
			IBM_TDB	

<u></u>	Υ	1///0/200	1	
51	4	((438/709 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:23
		coupled adj plasma))) not ((438/707 and damascene)	US-PGPUB;	
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
		(("5250165"   "5354421"   "5635021"   "5997687"	DERWENT;	
		"6043164"   "6046114"   "6218084"   "6284149"	IBM_TDB	
		"6379574").PN.) not ((438/706 and damascene) and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(("5512514"   "5691238"   "5693568"   "5705430"		
		"5795823"   "5981374"   "6187663").PN.) not		
		6309957.URPN. not (438/622 and (ICP or (inductively		
		adj coupled adj plasma))) not (438/620 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/618 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		6323121.URPN. not (("5266521"   "5661083"		
		"5817579"   "5843843"   "5851917"   "6013574"		
		"6025255"   "6057081"   "6077768"   "6147003"	,	
		"6147007"   "6180531"   "6187689"   "6194128"		
		"6323121").PN.) not (438/627 and (ICP or (inductively		
ĺ		adj coupled adj plasma))) not ((((copper or Cu) and		
		damascene and (low adj k)) and ((dry adj clean\$5) or		
	)	DCM)) and (wet adj clean\$5)) not (("4842683"		
	<u> </u>	"5534108"   "5578163"   "5665203"   "5674321"		
	İ	"5785875"   "5811357"   "5902704"   "5970373"		
		"6069091"   "6211092"   "6254689"   "6296988"		
		"6380096").PN.) not 5811357.URPN. not	j	
		6457477.URPN. not (("5946589"   "6006763"	1	
		"6006764"   "6313042").PN.) not 6313042.URPN.	İ	
52	1811	438/710	USPAT;	2004/09/14 17:27
			US-PGPUB;	
	·		EPO;	
			DERWENT;	
			IBM_TDB	
53	231	438/710 and damascene	USPAT;	2004/09/14 17:27
			US-PGPUB;	
			EPO;	
			DERWENT;	
			IBM_TDB	
54	60	(438/710 and damascene) and (ICP or (inductively adj	USPĀT;	2004/09/14 17:27
		coupled adj plasma))	US-PGPUB;	
			EPO;	
			DERWENT;	
			IBM_TDB	

55	36	((438/710 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:27
		coupled adj plasma))) not ((438/709 and damascene)	US-PGPUB;	
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
		((438/707 and damascene) and (ICP or (inductively adj	DERWENT;	
1		coupled adj plasma))) not (("5250165"   "5354421"	IBM_TDB	
		"5635021"   "5997687"   "6043164"   "6046114"		
		"6218084"   "6284149"   "6379574").PN.) not ((438/706		
		and damascene) and (ICP or (inductively adj coupled adj		
		plasma))) not (("5512514"   "5691238"   "5693568"		
		"5705430"   "5795823"   "5981374"   "6187663").PN.)		
		not 6309957.URPN. not (438/622 and (ICP or		
1		(inductively adj coupled adj plasma))) not (438/620 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(438/618 and (ICP or (inductively adj coupled adj		
		plasma))) not 6323121.URPN. not (("5266521"		
		"5661083"   "5817579"   "5843843"   "5851917"		
		"6013574"   "6025255"   "6057081"   "6077768"		
		"6147003"   "6147007"   "6180531"   "6187689"		
		"6194128"   "6323121").PN.) not (438/627 and (ICP or		
		(inductively adj coupled adj plasma))) not ((((copper or		
		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
56	14	(((438/710 and damascene) and (ICP or (inductively adj	USPAT;	2004/00/14 17:24
30	1-7	coupled adj plasma))) not ((438/709 and damascene)	US-PGPUB;	2004/09/14 17:24
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
		((438/707 and damascene) and (ICP or (inductively adj	DERWENT;	
		coupled adj plasma))) not (("5250165"   "5354421"	IBM TDB	
		"5635021"   "5997687"   "6043164"   "6046114"	IBIVI_IBB	
		"6218084"   "6284149"   "6379574").PN.) not ((438/706		
		and damascene) and (ICP or (inductively adj coupled adj		
		plasma))) not (("5512514"   "5691238"   "5693568"		
		"5705430"   "5795823"   "5981374"   "6187663").PN.)		
		not 6309957.URPN. not (438/622 and (ICP or	i	
		(inductively adj coupled adj plasma))) not (438/620 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(438/618 and (ICP or (inductively adj coupled adj		
		plasma))) not 6323121.URPN. not (("5266521"		
		"5661083"   "5817579"   "5843843"		
[		"6013574"   "6025255"   "6057081"   "6077768"		
		"6147003"   "6147007"   "6180531"   "6187689"		
		"6194128"   "6323121").PN.) not (438/627 and (ICP or		
	}	(inductively adj coupled adj plasma))) not ((((copper or		
]		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		į
		6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.) and		
L		ash\$4		

57	004	420/712	LICDATE	0004/00/14 17 00
57	904	438/712	USPAT;	2004/09/14 17:28
			US-PGPUB;	
			EPO; DERWENT;	
			IBM TDB	
58	116	438/712 and damascene	USPAT;	2004/09/14 17:28
30	110	450/12 and damascene	US-PGPUB;	2004/03/14 17:26
			EPO;	
			DERWENT;	
			IBM TDB	
59	21	(438/712 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:28
		coupled adj plasma))	US-PGPUB;	200 402/1111120
			EPO;	
*			DERWENT;	
			IBM TDB	
60	3	((438/712 and damascene) and (ICP or (inductively adj	USPĀT;	2004/09/14 17:28
		coupled adj plasma))) not ((438/710 and damascene)	US-PGPUB;	
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
1		((438/709 and damascene) and (ICP or (inductively adj	DERWENT;	
		coupled adj plasma))) not ((438/707 and damascene)	IBM_TDB	
		and (ICP or (inductively adj coupled adj plasma))) not	_	
		(("5250165"   "5354421"   "5635021"   "5997687"		
		"6043164"   "6046114"   "6218084"   "6284149"		
		"6379574").PN.) not ((438/706 and damascene) and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(("5512514"   "5691238"   "5693568"   "5705430"		
		"5795823"   "5981374"   "6187663").PN.) not		
İ		6309957.URPN. not (438/622 and (ICP or (inductively		
		adj coupled adj plasma))) not (438/620 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/618 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		6323121.URPN. not (("5266521"   "5661083"		
		"5817579"   "5843843"   "5851917"   "6013574"		
1		"6025255"   "6057081"   "6077768"   "6147003"		
		"6147007"   "6180531"   "6187689"   "6194128"		
		"6323121").PN.) not (438/627 and (ICP or (inductively		
		adj coupled adj plasma))) not ((((copper or Cu) and		
		damascene and (low adj k)) and ((dry adj clean\$5) or		
l		DCM)) and (wet adj clean\$5)) not (("4842683"		
		"5534108"   "5578163"   "5665203"   "5674321"		
		"5785875"   "5811357"   "5902704"   "5970373"		
		"6069091"   "6211092"   "6254689"   "6296988"		
		"6380096").PN.) not 5811357.URPN. not 6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
61	225	438/716	USPAT;	2004/00/14 17:20
"	223	1.JU/ 1.U	USPAT; US-PGPUB;	2004/09/14 17:28
			US-PGPUB; EPO;	
			DERWENT;	
	]		IBM TDB	
62	6	438/716 and damascene	USPAT;	2004/09/14 17:28
	"	150// To and damascene	US-PGPUB;	200 <del>4</del> /07/14 17:28
			EPO;	
	†		DERWENT;	
			IBM TDB	
63	2	(438/716 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:29
	-	coupled adj plasma))	US-PGPUB;	200 407/13 17.27
		1 , , , , , , , , , , , , , , , , , , ,	EPO;	
			DERWENT;	
		į	IBM_TDB	

	T	Luca Tital	Lucate	
64	0	((438/716 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:29
		coupled adj plasma))) not ((438/712 and damascene)	US-PGPUB;	
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
		((438/710 and damascene) and (ICP or (inductively adj	DERWENT;	
		coupled adj plasma))) not ((438/709 and damascene)	IBM_TDB	
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/707 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not (("5250165"   "5354421"		
		"5635021"   "5997687"   "6043164"   "6046114"		
		"6218084"   "6284149"   "6379574").PN.) not ((438/706		
		and damascene) and (ICP or (inductively adj coupled adj		
		plasma))) not (("5512514"   "5691238"   "5693568"		
		"5705430"   "5795823"   "5981374"   "6187663").PN.)		
		not 6309957.URPN. not (438/622 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/620 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(438/618 and (ICP or (inductively adj coupled adj plasma))) not 6323121.URPN. not (("5266521"		
		"5661083"   "5817579"   "5843843"   "5851917"		
		3601063   3617379   3643643   3631917     "6013574"   "6025255"   "6057081"   "6077768"		
		"6147003"   "6147007"   "6180531"   "6187689"		
		"6194128"   "6323121").PN.) not (438/627 and (ICP or		
		(inductively adj coupled adj plasma))) not ((((copper or		
		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
65	376	438/729	USPAT;	2004/09/14 17:29
			US-PGPUB;	200 400,1111,.20
			EPO;	
			DERWENT;	
			IBM TDB	,
66	21	438/729 and damascene	USPAT;	2004/09/14 17:29
			US-PGPUB;	
	ĺ		EPO;	
			DERWENT;	
			IBM_TDB	
67	15	(438/729 and damascene) and (ICP or (inductively adj	USPĀT;	2004/09/14 17:29
		coupled adj plasma))	US-PGPUB;	
			EPO;	
			DERWENT;	
			IBM_TDB	

68	3	((438/729 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:29
00		coupled adj plasma))) not ((438/716 and damascene)	US-PGPUB;	2004/05/14 17.25
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
			· ·	İ
		((438/712 and damascene) and (ICP or (inductively adj	DERWENT;	
		coupled adj plasma))) not ((438/710 and damascene)	IBM_TDB	
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/709 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/707 and damascene)		
		and (ICP or (inductively adj coupled adj plasma))) not		
		(("5250165"   "5354421"   "5635021"   "5997687"		
		"6043164"   "6046114"   "6218084"   "6284149"		
		"6379574").PN.) not ((438/706 and damascene) and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(("5512514"   "5691238"   "5693568"   "5705430"		
		"5795823"   "5981374"   "6187663").PN.) not		
		6309957.URPN. not (438/622 and (ICP or (inductively		
		adj coupled adj plasma))) not (438/620 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/618 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		6323121.URPN. not (("5266521"   "5661083"		
		"5817579"   "5843843"   "5851917"   "6013574"	-	
		"6025255"   "6057081"   "6077768"   "6147003"		
		"6147007"   "6180531"   "6187689"   "6194128"		
		"6323121").PN.) not (438/627 and (ICP or (inductively		
		adj coupled adj plasma))) not ((((copper or Cu) and		
		damascene and (low adj k)) and ((dry adj clean\$5) or		
		DCM)) and (wet adj clean\$5)) not (("4842683"		
		"5534108"   "5578163"   "5665203"   "5674321"		
		"5785875"   "5811357"   "5902704"   "5970373"		
		"6069091"   "6211092"   "6254689"   "6296988"		
		"6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"		
	1	"6006764"   "6313042").PN.) not 6313042.URPN.		
69	96	438/730	USPAT;	2004/09/14 17:30
0)	'0	130/730		2004/09/14 17:30 
			US-PGPUB;	
			EPO;	
			DERWENT;	
70		400/700	IBM_TDB	
70	6	438/730 and damascene	USPAT;	2004/09/14 17:30
			US-PGPUB;	
			EPO;	
			DERWENT;	
			IBM_TDB	
71	1	(438/730 and damascene) and (ICP or (inductively adj	USPĀT;	2004/09/14 17:30
		coupled adj plasma))	US-PGPUB;	
		•	EPO;	
			DERWENT;	
			IBM TDB	
			מטויו וייוטו	

72		(/420/720 and downward) and (ICD) (** 1 at 1 at 1	LICDATE	0004/00/14 17 00
72	0	((438/730 and damascene) and (ICP or (inductively adj coupled adj plasma))) not ((438/729 and damascene)	USPAT; US-PGPUB;	2004/09/14 17:30
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
		((438/716 and damascene) and (ICP or (inductively adj	DERWENT;	
		coupled adj plasma))) not ((438/712 and damascene)	IBM_TDB	
		and (ICP or (inductively adj coupled adj plasma))) not	:	
		((438/710 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/709 and damascene)		
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/707 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not (("5250165"   "5354421"		
		"5635021"   "5997687"   "6043164"   "6046114"		
		"6218084"   "6284149"   "6379574").PN.) not ((438/706		
		and damascene) and (ICP or (inductively adj coupled adj		
	1	plasma))) not (("5512514"   "5691238"   "5693568"	į	
		"5705430"   "5795823"   "5981374"   "6187663").PN.)		
		not 6309957.URPN. not (438/622 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/620 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(438/618 and (ICP or (inductively adj coupled adj		
		plasma))) not 6323121.URPN. not (("5266521"		
		"5661083"   "5817579"   "5843843"   "5851917"		
		"6013574"   "6025255"   "6057081"   "6077768"		
		"6147003"   "6147007"   "6180531"   "6187689"		
<u> </u>		"6194128"   "6323121").PN.) not (438/627 and (ICP or		•
		(inductively adj coupled adj plasma))) not ((((copper or		
		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
73	241	438/733	USPAT;	2004/09/14 17:30
	211	130,733	US-PGPUB;	2004/09/14 17:30
			EPO;	
			DERWENT;	
74	16	438/733 and damascene	IBM_TDB USPAT;	2004/00/14 17:20
		150/155 and damascene	US-PGPUB;	2004/09/14 17:30
			EPO;	
			DERWENT;	
75		(420/722 and domasses) and (ICD as // all art all art	IBM_TDB	0004/00/24 27 00
13	2	(438/733 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:30
		coupled adj plasma))	US-PGPUB;	İ
			EPO;	
			DERWENT;	
			IBM_TDB	

76	0	((438/733 and damascene) and (ICP or (inductively adj	USPAT;	2004/09/14 17:30
, 0	"	coupled adj plasma))) not ((438/730 and damascene)	US-PGPUB;	200407/1117.50
		and (ICP or (inductively adj coupled adj plasma))) not	EPO;	
		((438/729 and damascene) and (ICP or (inductively adj	DERWENT;	
		coupled adj plasma))) not ((438/716 and damascene)	IBM_TDB	
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/712 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/710 and damascene)		
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/709 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/707 and damascene)		
		and (ICP or (inductively adj coupled adj plasma))) not	:	
		(("5250165"   "5354421"   "5635021"   "5997687"		
		"6043164"   "6046114"   "6218084"   "6284149"		
		"6379574").PN.) not ((438/706 and damascene) and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(("5512514"   "5691238"   "5693568"   "5705430"		
		"5795823"   "5981374"   "6187663").PN.) not	·	
		6309957.URPN. not (438/622 and (ICP or (inductively	:	
		adj coupled adj plasma))) not (438/620 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/618 and		
		(ICP or (inductively adj coupled adj plasma))) not	]	
		6323121.URPN. not (("5266521"   "5661083"		
		"5817579"   "5843843"   "5851917"   "6013574"		
		"6025255"   "6057081"   "6077768"   "6147003"		
		"6147007"   "6180531"   "6187689"   "6194128"		
		"6323121").PN.) not (438/627 and (ICP or (inductively		
		adj coupled adj plasma))) not ((((copper or Cu) and		
		damascene and (low adj k)) and ((dry adj clean\$5) or		
		DCM)) and (wet adj clean\$5)) not (("4842683"		
		"5534108"   "5578163"   "5665203"   "5674321"		
		"5785875"   "5811357"   "5902704"   "5970373"		
		"6069091"   "6211092"   "6254689"   "6296988"		
		"6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
77	401	DCM and ash\$5	USPAT;	2004/09/14 17:33
			US-PGPUB;	
			EPO;	
			DERWENT;	
	<u> </u>		IBM_TDB	

70	10-	(DC) ( 1 1 05) . ((400/500 11)		0004/00/2: := ==
78	401	(DCM and ash\$5) not ((438/733 and damascene) and	USPAT;	2004/09/14 17:32
		(ICP or (inductively adj coupled adj plasma))) not	US-PGPUB;	
		((438/730 and damascene) and (ICP or (inductively adj	EPO;	
		coupled adj plasma))) not ((438/729 and damascene)	DERWENT;	
		and (ICP or (inductively adj coupled adj plasma))) not	IBM_TDB	
1		((438/716 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/712 and damascene)		
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/710 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/709 and damascene)		
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/707 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not (("5250165"   "5354421"		
		"5635021"   "5997687"   "6043164"   "6046114"		
		"6218084"   "6284149"   "6379574").PN.) not ((438/706		
		and damascene) and (ICP or (inductively adj coupled adj	}	
		plasma))) not (("5512514"   "5691238"   "5693568"		
		"5705430"   "5795823"   "5981374"   "6187663").PN.)		
		not 6309957.URPN. not (438/622 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/620 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(438/618 and (ICP or (inductively adj coupled adj		
		plasma))) not 6323121.URPN. not (("5266521"		
		"5661083"   "5817579"   "5843843"   "5851917"		
		"6013574"   "6025255"   "6057081"   "6077768"		
		"6147003"   "6147007"   "6180531"   "6187689"		
		"6194128"   "6323121").PN.) not (438/627 and (ICP or		
		(inductively adj coupled adj plasma))) not ((((copper or		
		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		
İ		6457477.URPN. not (("5946589"   "6006763"		
		"6006764"   "6313042").PN.) not 6313042.URPN.		
79	0	(DCM and ash\$5) and damascene	USPAT;	2004/09/14 17:31
		•	US-PGPUB;	
			EPO;	
			DERWENT;	
		•	IBM_TDB	
80	359	(dry adj clean\$4) and ash\$5 and wet	USPĀT;	2004/09/14 17:32
			US-PGPUB;	
		·	EPO;	
			DERWENT;	
			IBM TDB	
81	21	((dry adj clean\$4) and ash\$5 and wet) and ICP	USPAT;	2004/09/14 17:32
			US-PGPUB;	,
			EPO;	
			DERWENT;	
			IBM TDB	

82	15	(((dry adj clean\$4) and ash\$5 and wet) and ICP) not	USPAT;	2004/09/14 17:32
02	"	(DCM and ash\$5) not ((438/733 and damascene) and	US-PGPUB;	2004/07/14 17.52
		(ICP or (inductively adj coupled adj plasma))) not	EPO;	
		((438/730 and damascene) and (ICP or (inductively adj	DERWENT;	
		coupled adj plasma))) not ((438/729 and damascene)	IBM_TDB	
		and (ICP or (inductively adj coupled adj plasma))) not	15155	
		((438/716 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/712 and damascene)		
	!	and (ICP or (inductively adj coupled adj plasma))) not		
		((438/710 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not ((438/709 and damascene)		
		and (ICP or (inductively adj coupled adj plasma))) not		
		((438/707 and damascene) and (ICP or (inductively adj		
		coupled adj plasma))) not (("5250165"   "5354421"		
		"5635021"   "5997687"   "6043164"   "6046114"		
		"6218084"   "6284149"   "6379574").PN.) not ((438/706		
		and damascene) and (ICP or (inductively adj coupled adj		
		plasma))) not (("5512514"   "5691238"   "5693568"		
		"5705430"   "5795823"   "5981374"   "6187663").PN.)		
		not 6309957.URPN. not (438/622 and (ICP or		
		(inductively adj coupled adj plasma))) not (438/620 and		
		(ICP or (inductively adj coupled adj plasma))) not		
		(438/618 and (ICP or (inductively adj coupled adj		
		plasma))) not 6323121.URPN. not (("5266521"		
		"5661083"   "5817579"   "5843843"   "5851917"		
		"6013574"   "6025255"   "6057081"   "6077768"		
		"6147003"   "6147007"   "6180531"   "6187689"		
		"6194128"   "6323121").PN.) not (438/627 and (ICP or		
		(inductively adj coupled adj plasma))) not ((((copper or		
		Cu) and damascene and (low adj k)) and ((dry adj		
		clean\$5) or DCM)) and (wet adj clean\$5)) not		
		(("4842683"   "5534108"   "5578163"   "5665203"		
		"5674321"   "5785875"   "5811357"   "5902704"		
		"5970373"   "6069091"   "6211092"   "6254689"		
		"6296988"   "6380096").PN.) not 5811357.URPN. not		
		6457477.URPN. not (("5946589"   "6006763"		
00		"6006764"   "6313042").PN.) not 6313042.URPN.		
83	1	(DCM and ash\$5) and ICP	USPAT;	2004/09/14 17:33
			US-PGPUB;	
			EPO;	
			DERWENT;	
			IBM_TDB	